

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method, comprising:
compressing a set of diphone waveforms into a set of diphone residuals;
generating a set of linear predictive coding (LPC) coefficients using an encoder,
wherein the generating of the LPC coefficients is performed while
compressing the diphone waveforms; storing the set of diphone residuals
and the set of LPC coefficients in a compressed packet;
receiving a request from a waveform synthesizer residing on a client for a diphone
residual for a particular speech output;
locating the requested diphone residual;
extracting the located diphone residual from the set of diphone residuals; and
supplying the diphone residual to the waveform synthesizer on the client to
produce the particular speech output.
2. (Previously Presented) The method of claim 1, further comprising:
compressing the set of diphone waveforms into the set of diphone residuals using
an encoder; and
decompressing the extracted diphone residual using a decoder.
3. (Previously Presented) The method of claim 1, further comprises supplying the set
of LPC coefficients to the waveform synthesizer.
4. (Previously Presented) The method of claim 1, further comprise supplying pitch
marks to the waveform synthesizer.
5. (Previously Presented) The method of claim 1, wherein the waveform synthesizer
to produce the particular speech output on the client, the client including a
handheld device.

6. (Previously Presented) The method of claim 2, wherein the encoder comprises a G.723 encoder.
7. (Previously Presented) The method of claim 2, wherein the decoder comprises a G.723 decoder.

Claims 8-11 (Cancelled)

12. (Previously Presented) A system, comprising:
a server comprises a concatenative speech database having compressed diphone residuals and compressed LPC coefficients generated by an encoder while compressing diphone waveforms into the diphone residuals, the server to locate a diphone residual and extract the diphone residual from the compressed diphone residuals in response to a request for the diphone residual from a waveform synthesizer residing on a client to produce a particular speech output; and
the client coupled with server, the client having the waveform synthesizer to receive the diphone residual and the LPC coefficients and a decoder to decompress the diphone residual and the LPC coefficients to produce the particular speech output.
13. (Previously Presented) The system of claim 12, wherein the server further comprises:
a text analysis module for processing a text into forms of linguistic representations; and
a linguistic and prosodic analysis module for analyzing the forms of linguistic representations corresponding to their assigned language system.

14. (Previously Presented) The system of claim 12, wherein the concatenative speech database f further comprises
pitch marks.
15. (Cancelled)
16. (Previously Presented) The system of claim 12, wherein the encoder comprises a
G.723 encoder.
17. (Previously Presented) The system of claim 12, wherein the decoder comprises:
a G.723 decoder.

Claims 18-27 (Cancelled)

28. (Previously Presented) The system claim 12, wherein the client is further to
receive the pitch marks.
29. (Previously Presented) An apparatus, comprising:
a server comprises a concatenative speech database having compressed diphone
residuals and compressed LPC coefficients, the server to locate a diphone
residual and extract the diphone residual from the compressed diphone
residuals in response to a request for the diphone residual from a client to
produce a particular speech output; and
the client coupled with server, the client having a waveform synthesizer to receive
the diphone residual and the LPC coefficients to produce the particular
speech output.
30. (Previously Presented) The apparatus of claim 29, further comprises a coder
having an encoder to compress diphone waveforms into the diphone residuals and
to generate and compress the LPC coefficients while compressing the diphone
waveforms into the diphone residuals, the encoder including a G.723 encoder.

31. (Previously Presented) The apparatus of claim 30, wherein the coder further includes a decoder to decompress the diphone residual and the LPC coefficients, the decoder including a G.723 decoder.
32. (Previously Presented) The apparatus of claim 29, wherein the client comprises a handheld device including one or more of the following: a telephone, a pocket computer system, and a personal digital assistant (PDA).